

REMARKS

Pending Claims

Claims 1-6 are all the claims pending in the application.

Entry of Amendment

Applicant submits that entry of this Amendment is proper because this Amendment merely remits claim 1 to its original form. Since the Examiner has already committed claim 1 as amended by this Amendment, Applicant submits that further contribution and/or search is not necessary to enter this Amendment.

Claim Rejections - 35 U.S.C. § 102

Claims 4-6 are rejected under 35 U.S.C. § 102(b) as being anticipated by Uchida et al. (hereinafter "Uchida-661"; US 6,930,661). The Applicant respectfully submits that claim 4 is patentable.

Claim 4 recites:

“(a) the set-top box, in response to a received key instruction, generating and displaying OSD information that corresponds to the key instruction on a set-top box screen and wirelessly transmitting the key instruction;

(b) the display device generating OSD information that corresponds to the key instruction received from the set-top box and displaying the OSD information on a display device screen.”

Claim 4 is patentable because Uchida-661 does not disclose “a set-top box ... wirelessly transmitting the key instruction” as recited in claim 4. Even assuming *arguendo*, that set-top box 300 receives signals, there is no indication from the disclosure of Uchida-661 that a key instruction is wirelessly transmitted from the set-top box 300 (Fig. 2). While the set-top box may communicate bi-directionally with the display apparatus 100, this falls far short of disclosing

“the set-top box ... wirelessly transmitting the key instruction” as recited in claim 4.¹ Therefore, claim 4 is patentable.

In an exemplary embodiment, a system control signal flows in the order of a remote controller, a base device (set-top box), and a display device. Meanwhile, in the cited reference, the system control signal flows in the order of a display device, a base device, and an external input device,

In more detail, an exemplary embodiment relates to a system for controlling the display device using the remote controller of the base device (set-top box), whereas the cited reference relates to a system for controlling the base device and the external input device using the display device. Therefore, an exemplary embodiment is different from the reference in view of the flow order of the system control signal.

Claims 5-6 depend from claim 4 and are patentable for the same reasons as claim 4.

Claim Rejections - 35 U.S.C. § 103

Claims 1-3 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Uchida et al. (hereinafter “Uchida-661”; US 6,930,661) in view of Uchida et al. (hereinafter “Uchida-535”; US 2005/0262535). The Applicant respectfully submits claim 1 is patentable.

Claim 1 recites a wireless set-top box system comprising:

“a set-top box operable to receive function control instructions, generate on-screen-display (OSD) information corresponding to the function control instruction, display the OSD information on a first screen, and wirelessly transmit the function control instruction.”

Claim 1 is patentable because Uchida-661 does not disclose “a set-top box operable to ... wirelessly transmit the function control instruction” as recited in claim 1. Even assuming

¹ “For example, the remote control signal transmitter 250 can be used to switch the power on/off or to change the channel on the set-top box 300. Accordingly, the user can perform set-top box operations by using the control panel CP displayed on the LCD 107 of the display apparatus 100 and the touch panel 121. In this manner, the display apparatus 100 and the base apparatus 200 communicate bi-directionally, as do the base apparatus 200 and the set-top box 300, the latter functioning as an external input apparatus” (col. 5, lines 37-47).

arguendo, that set-top box 300 receives function control instructions, there is no indication from the disclosure of Uchida-661 that function control instruction is wirelessly transmitted from the set-top box 300 (Fig. 2). While the set-top box may communicate bi-directionally with the display apparatus 100, this falls far short of disclosing “a set-top box operable to ... wirelessly transmit the function control instruction” as recited in claim 4.² Therefore, claim 1 is patentable.

In an exemplary embodiment, a system control signal flows in the order of a remote controller, a base device (set-top box), and a display device. Meanwhile, in the cited reference, the system control signal flows in the order of a display device, a base device, and an external input device,

In more detail, an exemplary embodiment relates to a system for controlling the display device using the remote controller of the base device (set-top box), whereas the cited reference relates to a system for controlling the base device and the external input device using the display device. Therefore, an exemplary embodiment is different from the reference in view of the flow order of the system control signal.

Claims 2-3 depend from claim 1 and are patentable for at least the same reasons as claim 1.

Conclusion

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

² “For example, the remote control signal transmitter 250 can be used to switch the power on/off or to change the channel on the set-top box 300. Accordingly, the user can perform set-top box operations by using the control panel CP displayed on the LCD 107 of the display apparatus 100 and the touch panel 121. In this manner, the display apparatus 100 and the base apparatus 200 communicate bi-directionally, as do the base apparatus 200 and the set-top box 300, the latter functioning as an external input apparatus” (col. 5, lines 37-47).

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